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Dental Student Attrition

1980-81
ACADEMIC
YEAR

SUPPLEMENT 5
TO THE
ANNUAL REPORT 1981/82
DENTAL EDUCATION

DENTAL STUDENT ATTRITION

Each year the Division of Educational Measurements gathers student attrition data from the 60 U.S. dental schools by means of the Annual Survey on Dental Educational Institutions as well as through withdrawal forms submitted for each of the students who withdraw from school. Students who repeat an academic year and students on temporary leave of absence are not included in these data. Between 1973 and 1979, the attrition rate after one full year of dental education has been approximately 3.5% (see table 1). However, during the most recent year for which data is available, 1980-81, of 6,030 freshmen students, 259 (4.3%) failed to complete the academic year. During the second year 128 students (2.1% of the sophomore class) withdrew, while 76 withdrew from the junior class (1.5%) and 26 from the final year of dental education (0.5%). These 489 students amount to 2.14% of the total 1980-81 dental school enrollment.

TABLE 1

DENTAL SCHOOL FRESHMAN CLASS ATTRITION
1973-74 to 1980-81

Academic Year	First-Year Enrollment	Withdrawals for Academic Reasons	Withdrawals for Personal Reasons	Total First-Year Withdrawals
1973-74	5,445	98	95	193
% of Freshmen Enrollment		1.80%	1.74%	3.54%
1974-75	5,617	93	116	209
% of Freshmen Enrollment		1.66%	2.05%	3.72%
1975-76	5,763	93	107	200
% of Freshmen Enrollment		1.61%	1.86%	3.47%
1976-77	5,935	77	137	214
% of Freshmen Enrollment		1.20%	2.31%	3.62%
1977-78	5,954	81	119	200
% of Freshmen Enrollment		1.36%	2.00%	3.36%
1978-79	6,301	96	127	230*
% of Freshmen Enrollment		1.50%	2.00%	3.65%
1979-80	6,132	103	113	216
% of Freshmen Enrollment		1.68%	1.84%	3.52%
1980-81	6,030	90	169	259
% of Freshmen Enrollment		1.49%	2.80%	4.30%

* In seven cases, reasons for withdrawal were not reported

Comparing the number of 1980 withdrawals with the number of students in their individual freshmen classes allows us to conclude that an attrition rate of approximately 8.4 percent

can be expected of a class of students for the four years of dental education. Although this is a notable decrease as compared to the 11.6% four year attrition rate of the 1966 entering class, this also represents a sharp increase since 1979 (6.5%).

REASONS FOR WITHDRAWALS

For the past five years the general reasons for withdrawal have been divided in approximately a 60% - 40% ratio (see table 2) with more student withdrawals because of personal reasons that are not related to academics than for academic reasons.

TABLE 2

REASONS FOR FRESHMAN ATTRITION - 1976-80

	1976		1977		1978		1979		1980	
	#	%	#	%	#	%	#	%	#	%
Withdrawals for Personal Reasons	137	64.0%	119	59.5%	127	57.0%	113	52.3%	169	65.3%
Withdrawals for Academic Reasons	93	36.0%	81	40.5%	96	43.0%	103	47.7%	90	34.7%
Problems in Didactic Courses only	38	17.8%	31	15.5%	55	24.7%	59	27.3%	48	18.5%
Problems in Technic Courses only	17	7.9%	15	7.5%	6	2.7%	32	5.6%	19	7.3%
Problems in Didactic & Technic	22	10.3%	35	17.5%	35	15.7%	32	14.8%	23	8.9%
Total Freshmen Withdrawals	214	100.0%	200	100.0%	230+	100.0%	216	100.0%	259	100.0%

\+ 7 withdrawals inidentified

PERSONAL REASONS

A change of career objective remains the most frequently reported personal reason for withdrawal from dental school (see table 3). Most of these students were in good academic standing and had no reported difficulty with coursework, but they withdrew to follow a career other than dentistry. This reason was given for 1.1% of the first-year students, for approximately 0.6% of the sophomore class, 0.2% of the junior class and less than 0.1% of the senior class. During the 1980-81 year, 20 students left dental school explicity to enter a medical school: 4 freshmen, 9 sophomores, 6 juniors and one senior. During the 1980-81 year, 36 students left a particular dental school to transfer to another dental school. Seventeen of these 36 students were freshmen.

TABLE 3

PERSONAL REASONS* FOR WITHDRAWALS, 1980-81

	Freshmen	Sophomore	Junior	Senior	Total
Change of career objective	65	33	11	2	111
Other general reasons	35	13	15	4	67
Transfer to other dental school	17	13	6	-	36
Lack of interest	21	5	5	-	31
Financial problems	14	7	-	1	22
Family problems	13	6	2	-	21
Enter medical school	4	9	6	1	20
Poor health	13	3	1	2	19
Emotional problems	6	4	3	1	14
Disciplinary suspension	-	2	1	-	3

* Sometimes more than one reason was given per student.

The second most frequently reported personal reason for withdrawal from dental school was reported to be the classification of "other", or general personal reasons. Of the 489 students who withdrew from dental school in 1980-81, 67 students withdrew for general personal reasons. Thirty-one students (6.3% of all withdrawals) dropped out of dental school because of lack of interest. Financial reasons were given for the withdrawal of 14 freshmen, 7 sophomores, and one senior.

ACADEMIC REASONS

Of the 489 students who withdrew from dental school in 1980-81, 36.8 percent (180) withdrew voluntarily or involuntarily because of difficulties encountered in the courses taught in dental school (see table 7, 9, 11, 13). An effort was made to determine in which area of the dental curriculum the students had encountered difficulties, that is, didactic courses, technic or clinical courses. This distinction is particularly interesting when relating the causes of attrition to the Dental Admission Test (DAT) scores used in the admission process.

Of the 6,030 freshmen in dental school in 1980-81, 1.5% (90) withdrew because of academic problems. Of these 90 students, 48 had serious difficulty in didactic courses alone, 17 had difficulty in technic courses only (or with manual dexterity), while 25 had difficulty in both. Although this is a small fragment of the entire national first year enrollment, it is interesting to consider the Dental Admission Test scores of those who withdrew from school as compared to those who remain, (the DAT scores are the only admission criteria available on a national basis and, therefore, are the only criteria considered in this analysis).

Of the 71 instances in which didactic course difficulties led to attrition from the freshmen class, 58 of the students (82%) had received an academic DAT score (relating to didactic course performance) below the average score (4). When this is related to the fact that only 58% of the entire freshmen class had at least one of the 6 academic DAT scores below 4, the 82% identified above is significant (with a chi square significance greater than .001).

As some schools accept students more on the basis of DAT score Averages than on individual DAT subscores, one may wish to take into account only the DAT Academic Average (the mean score of six DAT subscores relating to academic abilities and achievement) when assessing causes of attrition. Of all the freshman students in 1980-81 only 13% had DAT Academic Averages below the mean (4), whereas of the 71 students who withdrew because of problems in didactic courses 30 (42%) had a DAT Academic Average below 4. This again validates indirectly the usefulness of the Dental Admission Test scores in admissions evaluations (chi square significance greater than .001).

The other area in which students' difficulties were specified is that of the technic or preclinical courses. Of the 42 freshmen students (0.7%) of the national first year enrollment who had insurmountable difficulty in these courses, or this aspect of their dental education, 19 had difficulty only in these courses (needing manual dexterity, perceptual ability and coordination), whereas 23 had difficulties also in didactic courses. Twenty-eight of these 42 students had received below average DAT scores on at least one of the two perceptual ability (PAT) sections of the test. That is, 67% of the students who dropped out of dental school because of problems in technic, pre-clinical areas had been admitted to dental school with PAT scores below 4. Again, taking only the PAT Average (the average of the two perceptual ability sections of the DAT), of the entire freshman class, only 13% had PAT Averages below 4, while of the group that dropped out of school because of difficulties in technic courses 31% had PAT Averages below the mean (4). A great significance is again indicated by a chi square value greater than .001.

TABLE 4

SEX DIFFERENCES
ATTRITION, BY SEX, FROM TOTAL ENROLLMENT 1980-81

	Freshman	Sophomore	Junior	Senior	Total
Male	204	100	59	23	386
% of male enrollment	4.2%	2.0%	1.3%	0.5%	2.0%
Female	55	28	17	3	103
% of female enrollment	4.7%	2.7%	2.1%	0.4%	2.7%
Total Attrition	259	128	76	26	489

In 1980 women constituted 19.8% of the entering class in U.F. dental school and 17.0% of the entire dental enrollment. Women, however, made up 21.2% of the first year withdrawals and 21.1% of the withdrawals from all four years. Although the female attrition rate is slightly greater than the rate for males, the difference between the female and male attrition rates is not a significant one, as it had been in the past. The reasons for withdrawal from dental school remain relatively similar for both sexes (see table 5). The women, however, withdrew for personal reasons more often than the men, and the men withdrew for didactic course problems more often than the women.

TABLE 5

REASONS FOR WITHDRAWAL FROM 1980-81 FRESHMAN CLASS, BY SEX

	Personal		Only Didactic Problems		Only Technic Problems		Both Didactic & Technic Problems		Total	
	#	%	#	%	#	%	#	%	#	%
Male	132	64.7%	39	19.1%	13	6.4%	20	9.8%	204	100.0%
Female	37	67.3%	9	16.4%	6	10.9%	3	5.4%	55	100.0%

CONCLUSION

In summary, the attrition rate for the last eight dental school freshmen classes had been consistently held to approximately three and one half percent until the most recent year. The national dental school entering class can be expected to experience approximately an 8.4% attrition rate by the time of graduation if one takes the 1980-81 rate of attrition as a base. The students withdrawing for personal, non-academic reasons out-number those withdrawing because of academic problems by a 6 to 4 ratio. Freshmen withdrew from school more often because of academic problems in didactic courses than in technic courses, both areas of difficulty being predicted significantly by Dental Admission Test scores. Finally, the attrition rate for women, which has been slightly higher than for men in the first year classes, was not significantly greater than the rate for men during both the 1979-80 and 1980-81 academic years.

TABLE 6

SUMMARY STATISTICS
OF
FRESHMAN CLASS 1980-81

School	Number of Freshman M	Number of Freshman F	Number of Withdrawals M	Number of Withdrawals F	Attrition % of both male and female
University of Alabama	58	14	1	3	5.6
University of the Pacific	105	33	4	1	3.6
Univ. of California, S.F.	80	28	1	1	1.9
Univ. of California, L.A.	77	31	2	-	1.9
Univ. of Southern California	127	12	4	-	2.9
Loma Linda University	78	15	8	-	8.6
Univ. of Colorado	18	8	-	-	-
Univ. of Connecticut	39	12	-	-	-
Georgetown University	131	23	8	-	5.2
Howard University	70	40	6	2	7.3
University of Florida	50	16	1	-	1.5
Emory University	93	13	-	-	-
Medical College of Georgia	48	14	-	-	-
Loyola University	116	34	2	1	2.0
Northwestern University	99	21	4	1	4.2
Southern Illinois Univ.	46	8	-	-	-
University of Illinois	137	28	10	2	7.3
Indiana University	110	22	7	2	6.8
University of Iowa	74	20	3	-	3.2
University of Kentucky	43	17	1	1	3.3
Univ. of Louisville	64	22	7	2	10.5
Louisiana State Univ.	87	14	8	-	7.9
University of Maryland	105	33	2	1	2.2
Harvard University	14	6	1	1	10.0
Boston University	41	11	5	-	9.6
Tufts University	127	27	-	-	-
University of Detroit	77	9	2	-	2.3
University of Michigan	114	35	7	2	6.0
Univ. of Minnesota	122	28	5	1	4.0
Univ. of Mississippi	39	9	3	2	10.4
Univ. of Missouri, K.C.	129	31	3	3	3.8
Washington University	77	8	4	-	4.7
Creighton University	68	10	3	1	5.1
University of Nebraska	57	9	1	-	1.5
Fairleigh Dickinson Univ.	64	21	-	-	-
New Jersey College	69	24	5	3	7.8
Columbia University	48	12	1	-	1.7
New York University	166	46	6	2	3.8
Univ. of New York - S.B.	21	7	1	-	3.6
Univ. of New York - Buffalo	70	19	2	1	3.4
Univ. of North Carolina	71	15	3	1	4.7
Ohio University	144	16	7	2	5.6
Case Western Reserve Univ.	80	20	4	-	4.0
University of Oklahoma	55	19	6	5	14.9
Oral Roberts University	19	1	1	-	5.0
University of Oregon	66	14	3	3	7.5
Temple University	128	22	7	1	5.3
Univ. of Pennsylvania	137	29	2	-	1.2
Univ. of Pittsburgh	89	20	2	1	2.8
Univ. of South Carolina	46	11	-	-	-
Meharry Med. College	32	22	1	-	1.9
Univ. of Tennessee	113	17	4	-	3.1
Baylor University	120	21	7	-	5.0
Univ. of Texas, Houston	91	31	3	-	2.5
Univ. of Texas, San Antonio	120	32	10	4	9.2
Virginia Com. University	84	29	5	2	6.2
Univ. of Washington	77	24	1	2	3.0
West Virginia Univ.	50	14	4	-	6.3
Marquette University	114	23	5	1	4.4
Univ. of Puerto Rico	42	24	1	-	1.5
Total	4836	1194	204	55	4.3

TABLE 7

SUMMARY STATISTICS
OF
REASON FOR WITHDRAWAL
FRESHMAN CLASS 1980-81

School	Personal		Scholastic Difficulty					
			Didactic only		Manual only		Both Didactic and Manual	
	M	F	M	F	M	F	M	F
University of Alabama	1	1	-	2	-	-	-	-
University of the Pacific	2	-	-	-	2	1	-	-
Univ. of California, S.F.	1	1	-	-	-	-	-	-
Univ. of California, L.A.	-	-	1	-	-	-	1	-
Univ. of Southern California	2	-	1	-	-	-	1	-
Loma Linda University	5	-	2	-	-	-	1	-
Univ. of Colorado	-	-	-	-	-	-	-	-
Univ. of Connecticut	-	-	-	-	-	-	-	-
Georgetown University	8	-	-	-	-	-	-	-
Howard University	2	2	4	-	-	-	-	-
University of Florida	1	-	-	-	-	-	-	-
Emory University	-	-	-	-	-	-	-	-
Medical College of Georgia	-	-	-	-	-	-	-	-
Loyola University	1	1	-	-	1	-	-	-
Northwestern University	3	1	1	-	-	-	-	-
Southern Illinois Univ.	-	-	-	-	-	-	-	-
University of Illinois	8	1	2	1	-	-	-	-
Indiana University	3	2	-	-	1	-	3	-
University of Iowa	2	-	-	-	-	-	1	-
University of Kentucky	1	1	-	-	-	-	-	-
Univ. of Louisville	6	1	1	-	-	-	-	1
Louisiana State Univ.	6	-	1	-	-	-	1	-
University of Maryland	-	-	-	-	-	1	2	-
Harvard University	1	1	-	-	-	-	-	-
Boston University	2	-	3	-	-	-	-	-
Tufts University	-	-	-	-	-	-	-	-
University of Detroit	2	-	-	-	-	-	-	-
University of Michigan	7	1	-	1	-	-	-	-
Univ. of Minnesota	2	-	2	-	1	1	-	-
Univ. of Mississippi	2	1	-	-	-	1	1	-
Univ. of Missouri, K.C.	3	3	-	-	-	-	-	-
Washington University	-	-	3	-	-	-	1	-
Creighton University	2	-	1	1	-	-	-	-
University of Nebraska	1	-	-	-	-	-	-	-
Fairleigh Dickinson Univ.	-	-	-	-	-	-	-	-
New Jersey College	5	2	-	1	-	-	-	-
Columbia University	-	-	-	-	-	-	1	-
New York University	4	1	-	-	2	-	-	1
Univ. of New York, S.B.	1	-	-	-	-	-	-	-
Univ. of New York, Buffalo	1	1	1	-	-	-	-	-
Univ. of North Carolina	3	-	-	-	-	1	-	-
Ohio State University	4	1	1	-	1	1	1	-
Case Western Reserve Univ.	3	-	1	-	-	-	-	-
University of Oklahoma	4	5	1	-	1	-	-	-
Oral Roberts University	1	-	-	-	-	-	-	-
University of Oregon	2	1	1	2	-	-	-	-
Temple University	6	1	1	-	-	-	-	-
Univ. of Pennsylvania	-	-	-	-	2	-	-	-
Univ. of Pittsburgh	2	1	-	-	-	-	-	-
Univ. of South Carolina	-	-	-	-	-	-	-	-
Meharry Med. College	1	-	-	-	-	-	-	-
Univ. of Tennessee	3	-	1	-	-	-	-	-
Baylor University	3	-	4	-	-	-	-	-
Univ. of Texas, Houston	2	1	-	-	-	-	-	-
Univ. of Texas, San Antonio	5	3	5	1	-	-	-	-
Virginia Com. University	4	2	-	-	-	-	1	-
Univ. of Washington	-	2	1	-	-	-	-	-
West Virginia Univ.	-	-	-	-	2	-	2	-
Marquette University	3	-	-	-	-	-	2	1
Univ. of Puerto Rico	-	-	-	-	-	-	1	-
Total	132	38	39	9	13	6	20	3

TABLE 8

SUMMARY STATISTICS
OF
SOPHOMORE CLASS 1980-81

School	Number of Sophomore M	Number of Sophomore F	Number of Withdrawals M	Number of Withdrawals F	Attrition % of both male and female
University of Alabama	57	14	1	-	1.4
University of the Pacific	108	28	1	-	0.7
Univ. of California, S.F.	91	16	2	-	1.9
Univ. of California, L.A.	73	36	2	1	2.8
Univ. of Southern California	127	20	-	-	-
Loma Linda University	85	10	-	-	-
Univ. of Colorado	19	7	-	-	-
Univ. of Connecticut	41	9	-	-	-
Georgetown University	134	22	2	-	1.3
Howard University	73	29	1	1	2.0
University of Florida	49	18	2	-	3.0
Emory University	96	10	2	-	1.9
Medical College of Georgia	55	8	-	-	-
Loyola University	113	24	-	2	1.5
Northwestern University	101	15	3	1	3.4
Southern Illinois Univ.	42	10	1	-	1.9
University of Illinois	133	30	6	2	4.9
Indiana University	99	23	-	-	-
University of Iowa	78	18	-	1	1.0
University of Kentucky	43	15	2	-	3.4
Univ. of Louisville	62	16	3	-	3.8
Louisiana State Univ.	82	9	-	1	1.1
University of Maryland	124	26	1	2	2.0
Harvard University	13	8	1	-	4.8
Boston University	31	8	2	1	7.7
Tufts University	135	30	-	-	-
University of Detroit	72	13	1	-	1.3
University of Michigan	126	28	3	-	1.9
Univ. of Minnesota	119	23	1	-	0.7
Univ. of Mississippi	38	6	-	-	-
Univ. of Missouir, K.C.	145	15	-	-	-
Washington University	68	15	5	-	6.0
Creighton University	63	10	1	-	1.4
University of Nebraska	59	6	2	-	3.1
Fairleigh Dickinson Univ.	62	17	1	-	1.3
New Jersey College	68	16	1	-	1.2
Columbia University	42	14	1*	-	1.8
New York University	175	31	6	1	3.4
Univ. of New York, S.B.	23	4	-	-	-
Univ. of New York, Buffalo	76	17	1	1	2.2
Univ. of North Carolina	58	17	2	-	2.7
Ohio State University	173	26	4	-	2.0
Case Western Reserve Univ.	71	16	-	-	-
University of Oklahoma	55	11	2	1	4.5
Oral Roberts University	19	1	1	-	5.0
University of Oregon	62	15	1	-	1.3
Temple University	135	20	3	1	2.6
Univ. of Pennsylvania	115	41	5	1	3.8
Univ. of Pittsburgh	87	18	2	-	1.9
Univ. of South Carolina	49	10	1	-	1.7
Meharry Med. College	33	21	3	1	7.4
Univ. of Tennessee	144	14	2	1	1.9
Baylor University	124	20	1	-	0.7
Univ. of Texas, Houston	101	26	1	-	0.8
Univ. of Texas, San Antonio	128	24	12	4	10.5
Virginia Com. University	87	17	-	1	1.0
University of Washington	86	14	1	1	2.0
West Virginia Univ.	52	9	-	-	-
Marquette University	122	19	4	2	4.3
Univ. of Puerto Rico	43	25	-	1	1.5
Total	4944	1038	100	28	2.1

* Unknown

TABLE 9

SUMMARY STATISTICS
OF
REASON FOR WITHDRAWAL
SOPHOMORE CLASS 1980-81

School	Personal		Scholastic Difficulty					
			Didactic only		Manual only		Both Didactic and Manual	
	M	F	M	F	M	F	M	F
University of Alabama	-	-	-	-	1	-	-	-
University of the Pacific	1	-	-	-	-	-	-	-
Univ. of California, S.F.	2	-	-	-	-	-	-	-
Univ. of California, L.A.	1	1	-	-	1	-	-	-
Univ. of Southern California	-	-	-	-	-	-	-	-
Loma Linda California	-	-	-	-	-	-	-	-
University of Colorado	-	-	-	-	-	-	-	-
Univ. of Connecticut	-	-	-	-	-	-	-	-
Georgetown University	2	-	-	-	-	-	-	-
Howard University	1	-	-	-	-	-	-	1
University of Florida	1	-	1	-	-	-	-	-
Emory University	1	-	-	-	-	-	1	-
Medical College of Georgia	-	-	-	-	-	-	-	-
Loyola University	-	2	-	-	-	-	-	-
Northwestern University	2	1	-	-	-	-	1	-
Southern Illinois University	1	-	-	-	-	-	-	-
University of Illinois	3	-	2	1	1	1	-	-
Indiana University	-	-	-	-	-	-	-	-
University of Iowa	-	-	-	-	-	1	-	-
University of Kentucky	2	-	-	-	-	-	-	-
Univ. of Louisville	2	-	-	-	-	-	1	-
Louisiana State University	-	1	-	-	-	-	-	-
University of Maryland	1	1	-	-	-	-	-	1
Harvard University	1	-	-	-	-	-	-	-
Boston University	2	1	-	-	-	-	-	-
Tufts University	-	-	-	-	-	-	-	-
University of Detroit	-	-	1	-	-	-	-	-
University of Michigan	2	-	-	-	1	-	-	-
Univ. of Minnesota	1	-	-	-	-	-	-	-
Univ. of Mississippi	-	-	-	-	-	-	-	-
Univ. of Missouri, K.C.	-	-	-	-	-	-	-	-
Washington University	4	-	-	-	1	-	-	-
Creighton University	1	-	-	-	-	-	-	-
University of Nebraska	1	-	-	-	1	-	-	-
Fairleigh Dickinson Univ.	1	-	-	-	-	-	-	-
New Jersey College	1	-	-	-	-	-	-	-
Columbia University	-	-	-	-	-	-	-	-
New York University	3	1	-	-	-	-	3	-
Univ. of New York, S.B.	-	-	-	-	-	-	-	-
Univ. of New York, Buffalo	-	-	1	-	-	1	-	-
Univ. of North Carolina	2	-	-	-	-	-	-	-
Ohio State University	3	-	-	-	1	-	-	-
Case Western Reserve Univ.	-	-	-	-	-	-	-	-
University of Oklahoma	2	1	-	-	-	-	-	-
Oral Roberts University	1	-	-	-	-	-	-	-
University of Oregon	1	-	-	-	-	-	-	-
Temple University	2	1	1	-	-	-	-	-
Univ. of Pennsylvania	5	1	-	-	-	-	-	-
Univ. of Pittsburgh	1	-	-	-	1	-	-	-
Univ. of South Carolina	-	-	-	-	1	-	-	-
Meharry Med. College	1	-	-	-	1	-	1	1
Univ. of Tennessee	2	-	-	-	1	-	-	-
Baylor University	-	-	1	-	-	-	-	-
Univ. of Texas, Houston	1	-	-	-	-	-	-	-
Univ. of Texas, San Antonio	5	1	4	2	1	1	2	-
Virginia Com. University	-	1	-	-	-	-	-	-
University of Washington	1	1	-	-	-	-	-	-
West Virginia University	-	-	-	-	-	-	-	-
Marquette University	3	2	-	-	-	-	1	-
Univ. of Puerto Rico	-	1	-	-	-	-	-	-
Total	67	17	11	3	12	4	10	3

TABLE 10

SUMMARY STATISTICS
JUNIOR CLASS 1980-81

School	Number of Juniors M	Number of Juniors F	Number of Withdrawals M	Number of Withdrawals F	Attrition % of both male and female
University of Alabama	66	10	-	1	1.3
University of the Pacific	-	-	-	-	-
Univ. of California, S.F.	88	20	-	-	-
Univ. of California, L.A.	86	27	2	1	2.7
Univ. of Southern California	103	17	1	-	0.8
Loma Linda University	73	12	-	1	1.2
Univ. of Colorado	22	7	-	-	-
Univ. of Connecticut	36	9	2	1	6.7
Georgetown University	126	18	-	-	-
Howard University	85	29	2	-	1.8
University of Florida	52	12	-	1	1.6
Emory University	93	10	-	1	1.0
Medical College of Georgia	53	5	-	-	-
Loyola University	121	18	1	-	0.7
Northwestern University	94	18	2	-	1.8
Southern Illinois Univ.	49	5	-	-	-
University of Illinois	139	22	1	1	1.2
Indiana University	111	14	1	-	0.8
University of Iowa	73	16	-	-	-
University of Kentucky	39	19	-	1	1.7
Univ. of Louisville	67	13	-	-	-
Louisiana State Univ.	75	13	1	-	1.1
University of Maryland	103	21	2	-	1.6
Harvard University	11	9	1	-	5.0
Boston University	29	13	-	-	-
Tufts University	-	-	-	-	-
University of Detroit	81	6	2	-	2.3
University of Michigan	113	28	-	-	-
Univ. of Minnesota	116	29	3	-	2.1
Univ. of Mississippi	32	4	2	1	8.3
Univ. of Missouri, K.C.	139	17	3	-	1.9
Washington University	76	8	2	-	2.4
Creighton University	69	10	-	-	-
University of Nebraska	59	7	3	-	4.5
Fairleigh Dickinson Univ.	73	6	-	-	-
New Jersey College	74	13	2	1	3.4
Columbia University	45	9	-	-	-
New York University	178	28	1	-	0.5
Univ. of New York, S.B.	24	1	-	-	-
Univ. of New York, Buffalo	74	12	-	-	-
Univ. of North Carolina	71	9	1	-	1.3
Ohio State University	-	-	-	-	-
Case Western Reserve Univ.	74	25	6	1	7.1
University of Oklahoma	61	3	-	-	-
Oral Roberts University	18	2	1	-	5.0
University of Oregon	70	10	-	-	-
Temple University	128	19	-	-	-
Univ. of Pennsylvania	121	29	-	1	0.7
Univ. of Pittsburgh	88	23	-	1	0.9
Univ. of South Carolina	47	5	-	-	-
Meharry Med. College	40	15	1	-	1.8
Univ. of Tennessee	139	10	1	-	0.7
Baylor University	-	-	-	-	-
Univ. of Texas, Houston	104	16	-	-	-
Univ. of Texas, San Antonio	116	23	6	2	20.5
Virginia Com. University	85	24	2	-	1.8
University of Washington	86	15	1	1	2.0
West Virginia University	59	7	4	-	6.1
Marquette University	120	11	2	-	1.5
Univ. of Puerto Rico	35	33	-	1	1.5
Total	4409	814	59	17	1.5

TABLE 11

SUMMARY STATISTICS
OF
REASON FOR WITHDRAWAL
JUNIOR CLASS 1980-81

School	Personal		Scholastic Difficulty						Clinic	
			Didactic only		Manual only		Both Didactic and Manual			
	M	F	M	F	M	F	M	F	M	F
University of Alabama	-	1	-	-	-	-	-	-	-	-
University of the Pacific	-	-	-	-	-	-	-	-	-	-
Univ. of California, S.F.	-	-	-	-	-	-	-	-	-	-
Univ. of California, L.A.	1	1	1	-	-	-	-	-	-	-
Univ. of Southern California	1	-	-	-	-	-	-	-	-	-
Loma Linda University	-	1	-	-	-	-	-	-	-	-
University of Colorado	-	-	-	-	-	-	-	-	-	-
Univ. of Connecticut	2	1	-	-	-	-	-	-	-	-
Georgetown University	-	-	-	-	-	-	-	-	-	-
Howard University	1	-	-	-	-	-	-	-	1	-
University of Florida	-	-	-	-	-	-	-	1	-	-
Emory University	-	-	-	-	-	1	-	-	-	-
Medical College of Georgia	-	-	-	-	-	-	-	-	-	-
Loyola University	-	-	1	-	-	-	-	-	-	-
Northwestern University	2	-	-	-	-	-	-	-	-	-
Southern Illinois Univ.	-	-	-	-	-	-	-	-	-	-
University of Illinois	1	-	-	-	-	-	-	-	-	1
Indiana University	-	-	-	-	1	-	-	-	-	-
University of Iowa	-	-	-	-	-	-	-	-	-	-
University of Kentucky	-	1	-	-	-	-	-	-	-	-
Univ. of Louisville	-	-	-	-	-	-	-	-	-	-
Louisiana State Univ.	-	-	-	-	-	-	-	-	1	-
University of Maryland	1	-	-	-	-	-	-	-	1	-
Harvard University	1	-	-	-	-	-	-	-	-	-
Boston University	-	-	-	-	-	-	-	-	-	-
Tufts University	-	-	-	-	-	-	-	-	-	-
University of Detroit	2	-	-	-	-	-	-	-	-	-
University of Michigan	-	-	-	-	-	-	-	-	-	-
Univ. of Minnesota	2	-	-	-	1	-	-	-	-	-
Univ. of Mississippi	-	1	-	-	-	-	-	-	2	-
Univ. of Missouri, K.C.	3	-	-	-	-	-	-	-	-	-
Washington University	1	-	-	-	-	-	-	-	1	-
Creighton University	-	-	-	-	-	-	-	-	-	-
University of Nebraska	-	-	-	-	1	-	-	-	2	-
Fairleigh Dickinson Univ.	-	-	-	-	-	-	-	-	-	-
New Jersey College	-	-	-	1	1	-	-	-	1	-
Columbia University	-	-	-	-	-	-	-	-	-	-
New York University	1	-	-	-	-	-	-	-	-	-
Univ. of New York, S.B.	-	-	-	-	-	-	-	-	-	-
Univ. of New York, Buffalo	-	-	-	-	-	-	-	-	-	-
Univ. of North Carolina	-	-	-	-	-	-	-	-	1	-
Ohio State University	-	-	-	-	-	-	-	-	-	-
Case Western Reserve Univ.	5	1	-	-	-	-	1	-	-	-
University of Oklahoma	-	-	-	-	-	-	-	-	-	-
Oral Roberts University	1	-	-	-	-	-	-	-	-	-
University of Oregon	-	-	-	-	-	-	-	-	-	-
Temple University	-	-	-	-	-	-	-	-	-	-
Univ. of Pennsylvania	-	1	-	-	-	-	-	-	-	-
Univ. of Pittsburgh	-	1	-	-	-	-	-	-	-	-
Univ. of South Carolina	-	-	-	-	-	-	-	-	-	-
Meharry Med. College	1	-	-	-	-	-	-	-	-	-
Univ. of Tennessee	1	-	-	-	-	-	-	-	-	-
Baylor University	-	-	-	-	-	-	-	-	-	-
Univ. of Texas, Houston	-	-	-	-	-	-	-	-	-	-
Univ. of Texas, San Antonio	-	1	-	-	-	-	-	-	6	1
Virginia Com. University	2	-	-	-	-	-	-	-	-	-
Univ. of Washington	1	1	-	-	-	-	-	-	-	-
West Virginia Univ.	-	-	-	-	-	-	-	-	4	-
Marquette University	1	-	-	-	-	-	-	-	1	-
Univ. of Puerto Rico	-	1	-	-	-	-	-	-	-	-
Total	31	12	2	1	4	1	1	1	21	2

TABLE 12

SUMMARY STATISTICS
SENIOR CLASS 1980-81

School	Number of Seniors M	Number of Seniors F	Number of Withdrawals M	Number of Withdrawals F	Attrition % of both male and female
University of Alabama	65	13	-	-	-
University of the Pacific	120	14	1	-	0.7
Univ. of California, S.F.	75	13	-	-	-
Univ. of California, L.A.	57	34	-	1	1.1
Univ. of Southern California	108	9	-	-	-
Loma Linda University	84	5	-	-	-
Univ. of Colorado	19	1	-	-	-
Univ. of Connecticut	37	10	-	-	-
Georgetown University	134	10	-	-	-
Howard University	64	22	-	-	-
University of Florida	49	10	1	-	1.7
Emory University	93	12	1	-	1.0
Medical College of Georgia	57	6	-	-	-
Loyola University	110	20	-	-	-
Northwestern University	89	12	2	-	1.9
Southern Illinois Univ.	1	-	-	-	-
University of Illinois	104	23	-	-	-
Indiana University	119	13	1	-	0.8
University of Iowa	82	9	-	-	-
University of Kentucky	47	12	-	-	-
Univ. of Louisville	68	15	-	-	-
Louisiana University	72	6	-	-	-
University of Maryland	97	12	-	-	-
Harvard University	10	6	-	-	-
Boston University	32	8	-	-	-
Tufts University	130	35	-	-	-
University of Detroit	75	10	-	-	-
University of Michigan	116	30	-	-	-
Univ. of Minnesota	120	22	-	-	-
Univ. of Mississippi	27	4	-	-	-
Univ. of Missouri, K.C.	141	15	3	-	1.9
Washington University	71	10	-	1	1.2
Creighton University	76	3	-	-	-
University of Nebraska	55	9	1	-	1.6
Fairleigh Dickinson Univ.	75	10	1	-	1.2
New Jersey College	62	13	1	-	1.3
Columbia University	42	12	-	-	-
New York University	152	34	-	-	-
Univ. of New York, S.B.	19	4	1	-	5.0
Univ. of New York, Buffalo	74	10	-	-	-
Univ. of North Carolina	66	10	-	-	-
Ohio State University	178	26	2	1	2.0
Case Western Reserve Univ.	78	21	1	-	1.0
University of Oklahoma	67	7	-	-	-
Oral Roberts University	-	-	-	-	-
University of Oregon	66	6	-	-	-
Temple University	131	18	-	-	-
Univ. of Pennsylvania	135	30	2	-	1.2
Univ. of Pittsburgh	108	26	1	-	0.7
Univ. of South Carolina	48	7	-	-	-
Meharry Med. College	41	14	-	-	-
Univ. of Tennessee	118	15	-	-	-
Baylor University	117	16	1	-	1.0
Univ. of Texas, Houston	91	27	-	-	-
Univ. of Texas, San Antonio	114	15	-	-	-
Virginia Com. University	86	22	-	-	-
University of Washington	83	17	1	-	1.0
West Virginia University	50	4	-	-	-
Marquette University	129	8	-	-	-
Univ. of Puerto Rico	40	19	2	-	3.4
Total	4774	833	23	3	0.5

TABLE 13

SUMMARY STATISTICS
OF
REASON FOR WITHDRAWAL
SENIOR CLASS 1980-81

School	Personal		Scholastic Difficulty						Clinic	
			Didactic only		Manual only		Both Didactic and Manual			
	M	F	M	F	M	F	M	F	M	F
University of Alabama	-	-	-	-	-	-	-	-	-	-
University of the Pacific	1	-	-	-	-	-	-	-	-	-
Univ. of California, S.F.	-	-	-	-	-	-	-	-	-	-
Univ. of California, L.A.	-	1	-	-	-	-	-	-	-	-
Univ. of Southern California	-	-	-	-	-	-	-	-	-	-
Loma Linda University	-	-	-	-	-	-	-	-	-	-
University of Colorado	-	-	-	-	-	-	-	-	-	-
Univ. of Connecticut	-	-	-	-	-	-	-	-	-	-
Georgetown University	-	-	-	-	-	-	-	-	-	-
Howard University	-	-	-	-	-	-	-	-	-	-
University of Florida	-	-	-	-	-	-	-	-	1	-
Emory University	1	-	-	-	-	-	-	-	-	-
Medical College of Georgia	-	-	-	-	-	-	-	-	-	-
Loyola University	-	-	-	-	-	-	-	-	-	-
Northwestern University	1	-	-	-	-	-	-	-	1	-
Southern Illinois Univ.	-	-	-	-	-	-	-	-	-	-
University of Illinois	-	-	-	-	-	-	-	-	-	-
Indiana University	-	-	-	-	-	-	-	-	1	-
University of Iowa	-	-	-	-	-	-	-	-	-	-
University of Kentucky	-	-	-	-	-	-	-	-	-	-
Univ. of Louisville	-	-	-	-	-	-	-	-	-	-
Louisiana State Univ.	-	-	-	-	-	-	-	-	-	-
University of Maryland	-	-	-	-	-	-	-	-	-	-
Harvard University	-	-	-	-	-	-	-	-	-	-
Boston University	-	-	-	-	-	-	-	-	-	-
Tufts University	-	-	-	-	-	-	-	-	-	-
University of Detroit	-	-	-	-	-	-	-	-	-	-
University of Michigan	-	-	-	-	-	-	-	-	-	-
Univ. of Minnesota	-	-	-	-	-	-	-	-	-	-
Univ. of Mississippi	-	-	-	-	-	-	-	-	-	-
Univ. of Missouri, K.C.	-	-	-	-	-	-	-	-	3	-
Washington University	-	-	-	-	-	-	-	-	-	1
Creighton University	-	-	-	-	-	-	-	-	-	-
University of Nebraska	1	-	-	-	-	-	-	-	-	-
Fairleigh Dickinson Univ.	1	-	-	-	-	-	-	-	-	-
New Jersey College	1	-	-	-	-	-	-	-	-	-
Columbia University	-	-	-	-	-	-	-	-	-	-
New York University	-	-	-	-	-	-	-	-	-	-
Univ. of New York, S.B.	1	-	-	-	-	-	-	-	-	-
Univ. of New York, Buffalo	-	-	-	-	-	-	-	-	-	-
Univ. of North Carolina	-	-	-	-	-	-	-	-	-	-
Ohio State University	2	-	-	-	-	-	-	-	-	1
Case Western Reserve Univ.	1	-	-	-	-	-	-	-	-	-
University of Oklahoma	-	-	-	-	-	-	-	-	-	-
Oral Roberts University	-	-	-	-	-	-	-	-	-	-
University of Oregon	-	-	-	-	-	-	-	-	-	-
Temple University	-	-	-	-	-	-	-	-	-	-
Univ. of Pennsylvania	1	-	-	-	-	-	-	-	1	-
Univ. of Pittsburgh	-	-	-	-	-	-	-	-	1	-
Univ. of South Carolina	-	-	-	-	-	-	-	-	-	-
Meharry Med. College	-	-	-	-	-	-	-	-	-	-
Univ. of Tennessee	-	-	-	-	-	-	-	-	-	-
Baylor University	-	-	-	-	-	-	-	-	1	-
Univ. of Texas, Houston	-	-	-	-	-	-	-	-	-	-
Univ. of Texas, San Antonio	-	-	-	-	-	-	-	-	-	-
Virginia Com. University	-	-	-	-	-	-	-	-	-	-
University of Washington	-	-	-	-	-	-	-	-	1	-
West Virginia University	-	-	-	-	-	-	-	-	-	-
Marquette University	-	-	-	-	-	-	-	-	-	-
Univ. of Puerto Rico	-	-	-	-	-	-	-	-	2	-
Total	11	1	-	-	-	-	-	-	12	2

TABLE 14

DENTAL STUDENTS
WHO WITHDREW BECAUSE OF
DIFFICULTIES IN DIDACTIC COURSES

School	Freshman #	Freshman Ac. DAT below 4	Sophomore #	Sophomore Ac. DAT below 4	Junior #	Junior Ac. DAT below 4	Senior #	Senior Ac. DAT below 4
University of Alabama	2	2	-	-	-	-	-	-
University of the Pacific	-	-	-	-	-	-	-	-
Univ. of California, S.F.	-	-	-	-	-	-	-	-
Univ. of California, L.A.	2	2	-	-	1	-	-	-
Univ. of Southern California	2	2	-	-	-	-	-	-
Loma Linda University	3	3	-	-	-	-	-	-
University of Colorado	-	-	-	-	-	-	-	-
Univ. of Connecticut	-	-	-	-	-	-	-	-
Georgetown University	-	-	-	-	-	-	-	-
Howard University	4	4	1	1	-	-	-	-
University of Florida	-	-	1	1	1	-	-	-
Emory University	-	-	1	-	-	-	-	-
Medical College of Georgia	-	-	-	-	-	-	-	-
Loyola University	-	-	-	-	1	-	-	-
Northwestern University	1	1	1	-	-	-	-	-
Southern Illinois Univ.	-	-	-	-	-	-	-	-
University of Illinois	3	-	3	3	-	-	-	-
Indiana University	3	3	-	-	-	-	-	-
University of Iowa	1	1	-	-	-	-	-	-
Univ. of Kentucky	-	-	-	-	-	-	-	-
Univ. of Louisville	2	2	1	1	-	-	-	-
Louisiana State Univ.	2	2	-	-	-	-	-	-
University of Maryland	2	1	1	1	-	-	-	-
Harvard University	-	-	-	-	-	-	-	-
Boston University	3	2	-	-	-	-	-	-
Tufts University	-	-	-	-	-	-	-	-
University of Detroit	-	-	1	1	-	-	-	-
University of Michigan	1	1	-	-	-	-	-	-
Univ. of Minnesota	2	2	-	-	-	-	-	-
Univ. of Mississippi	1	1	-	-	-	-	-	-
Univ. of Missouri, K.C.	-	-	-	-	-	-	-	-
Washington University	4	-	-	-	-	-	-	-
Creighton University	2	2	-	-	-	-	-	-
University of Nebraska	-	-	-	-	-	-	-	-
Fairleigh Dickinson Univ.	-	-	-	-	-	-	-	-
New Jersey College	1	-	-	-	1	1	-	-
Columbia University	1	1	-	-	-	-	-	-
New York University	1	-	3	2	-	-	-	-
Univ. of New York, S.B.	-	-	-	-	-	-	-	-
Univ. of New York, Buffalo	1	1	1	1	-	-	-	-
Univ. of North Carolina	-	-	-	-	-	-	-	-
Ohio State University	2	2	-	-	-	-	-	-
Case Western Reserve Univ.	1	1	-	-	1	-	-	-
Univ. of Oklahoma	1	1	-	-	-	-	-	-
Oral Roberts Univ.	-	-	-	-	-	-	-	-
University of Oregon	3	3	-	-	-	-	-	-
Temple University	1	1	1	1	-	-	-	-
Univ. of Pennsylvania	-	-	-	-	-	-	-	-
Univ. of Pittsburgh	-	-	-	-	-	-	-	-
Univ. of South Carolina	-	-	-	-	-	-	-	-
Meharry Med. College	-	-	2	2	-	-	-	-
Univ. of Tennessee	1	1	-	-	-	-	-	-
Baylor University	4	3	1	1	-	-	-	-
Univ. of Texas, Houston	-	-	-	-	-	-	-	-
Univ. of Texas, San Antonio	6	6	8	7	-	-	-	-
Virginia Com. University	1	1	-	-	-	-	-	-
University of Washington	1	-	-	-	-	-	-	-
West Virginia Univ.	2	2	-	-	-	-	-	-
Marquette University	3	3	1	1	-	-	-	-
Univ. of Puerto Rico	1	1	-	-	-	-	-	-
Total	71	58	27	23	5	1	-	-

TABLE 15

DENTAL STUDENTS
WHO WITHDREW BECAUSE OF
DIFFICULTIES IN TECHNIC COURSES

School	Freshman #	Freshman PAT DAT below 4	Sophomore #	Sophomore PAT DAT below 4	Junior #	Junior PAT DAT below 4	Senior #	Senior PAT DAT below 4
University of Alabama	-	-	1	-	-	-	-	-
University of the Pacific	3	1	-	-	-	-	-	-
Univ. of California, S.F.	-	-	-	-	-	-	-	-
Univ. of California, L.A.	1	-	1	1	-	-	-	-
Univ. of Southern California	1	1	-	-	-	-	-	-
Loma Linda University	1	1	-	-	-	-	-	-
University of Colorado	-	-	-	-	-	-	-	-
Univ. of Connecticut	-	-	-	-	-	-	-	-
Georgetown University	-	-	-	-	-	-	-	-
Howard University	-	-	1	1	-	-	-	-
University of Florida	-	-	-	-	1	-	-	-
Emory University	-	-	1	-	1	1	-	-
Medical College of Georgia	-	-	-	-	-	-	-	-
Loyola University	1	1	-	-	-	-	-	-
Northwestern University	-	-	1	1	-	-	-	-
Southern Illinois Univ.	-	-	-	-	-	-	-	-
University of Illinois	-	-	2	2	-	-	-	-
Indiana University	4	3	-	-	1	1	-	-
University of Iowa	1	1	1	1	-	-	-	-
Univ. of Kentucky	-	-	-	-	-	-	-	-
Univ. of Louisville	1	1	1	1	-	-	-	-
Louisiana University	1	1	-	-	-	-	-	-
University of Maryland	3	-	1	1	-	-	-	-
Harvard University	-	-	-	-	-	-	-	-
Boston University	-	-	-	-	-	-	-	-
Tufts University	-	-	-	-	-	-	-	-
University of Detroit	-	-	-	-	-	-	-	-
University of Michigan	-	-	1	-	-	-	-	-
Univ. of Minnesota	2	2	-	-	1	1	-	-
Univ. of Mississippi	2	2	-	-	-	-	-	-
Univ. of Missouri, K.C.	-	-	-	-	-	-	-	-
Washington University	1	1	1	-	-	-	-	-
Creighton University	-	-	-	-	-	-	-	-
University of Nebraska	-	-	1	1	1	-	-	-
Fairleigh Dickinson Univ.	-	-	-	-	-	-	-	-
New Jersey College	-	-	-	-	1	-	-	-
Columbia University	1	1	-	-	-	-	-	-
New York University	3	2	2	2	-	-	-	-
Univ. of New York, S.B.	-	-	-	-	-	-	-	-
Univ. of New York, Buffalo	-	-	1	-	-	-	-	-
Univ. of North Carolina	1	1	-	-	-	-	-	-
Ohio State University	3	1	1	-	-	-	-	-
Case Western Reserve Univ.	-	-	-	-	1	-	-	-
Univ. of Oklahoma	1	-	-	-	-	-	-	-
Oral Roberts University	-	-	-	-	-	-	-	-
University of Oregon	-	-	-	-	-	-	-	-
Temple University	-	-	-	-	-	-	-	-
Univ. of Pennsylvania	2	1	-	-	-	-	-	-
Univ. of Pittsburgh	-	-	1	1	-	-	-	-
Univ. of South Carolina	-	-	1	1	-	-	-	-
Meharry Med. College	-	-	3	3	-	-	-	-
Univ. of Tennessee	-	-	1	-	-	-	-	-
Baylor University	-	-	-	-	-	-	-	-
Univ. of Texas, Houston	-	-	-	-	-	-	-	-
Univ. of Texas, San Antonio	-	-	4	4	-	-	-	-
Virginia Com. University	1	1	-	-	-	-	-	-
University of Washington	-	-	-	-	-	-	-	-
West Virginia Univ.	4	2	-	-	-	-	-	-
Marquette University	3	3	1	1	-	-	-	-
Univ. of Puerto Rico	1	1	-	-	-	-	-	-
Total	42	28	29	21	7	3	-	-